IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: SOMERVILLE, Robin B.; FAN, Liang-Tseng

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EXAMINER: Johnson, J.D.

TITLE: PROCESS FOR MODIFYING COAL SO AS TO REDUCE SULFUR EMISSIONS

Supplemental Amendment B: CLAIM AMENDMENTS

Claims 1 - 20 (canceled). These claims were canceled by a previous amendment.

Claims 21 - 39 (canceled).

40. (new) A method of utilizing a coal product having reduced sulfur emissions comprising:

grinding a raw coal material into a coal powder having a desired particle size;

agglomerating said coal powder with fresh hydrated lime in an enclosed vessel, said

fresh hydrated lime being generally unexposed to atmospheric carbon dioxide;

adding water to the agglomeration of coal powder and fresh hydrated lime in the enclosed vessel so as to have a moisture content of between 10 and 30 weight percent of the total weight of the water-added agglomeration;

drying the water-added agglomeration so as to have a desired moisture content; and immediately injecting the dried agglomeration into a combustion chamber.

- 41. (new) The method of Claim 40, said coal powder having a particle size of between 80 and 20 meshes.
- 42. (new) The method of Claim 41, said coal powder having an average particle size of 40 meshes.
- 43. (new) The method of Claim 40, said fresh hydrated lime being of a particle form and without binders added thereto.

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